

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	Architectural Drafting I
II755	II755
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS name put into the system.)	Construction Technology
Occupational Standards	
Source of Occupational Standards	SkillsUSA
Names/Numbers of Occupational Standards	Drafting C114, UBC 97
Registration Information	
Course Description (brief paragraph – as shown in your student handbook or course list)	This course is designed to teach students the basics of residential architecture
Instructional Topic Headings (please separate each heading by a semi-colon)	<ol style="list-style-type: none"> 1. Primary design and planning 2. Area planning 3. Basic residential architectural practices and techniques 4. Technical and specialty architectural plans 5. Architectural support services
Technical Skills Assessment	Yes, SkillsUSA C114
Course addresses Alaska GLEs	Yes
Course addresses Employability Standards	Yes
Course addresses Cultural Standards	Yes

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Course addresses All Aspects of Industry (AAI)	yes
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	CTE Advisory Committee
Course adapted from	Previous Edition
Date of last course revision	Nov. 2011
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	N
Certificate, Credential, or License	
Industry-recognized skill certificate, credential, or state license that a student is eligible for upon successful completion of the course?	SkillsUSA, C114 Technical Drafting
Issuing body/organization/agency	

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
1. Assess and utilize fundamentals of residential architectural design and planning.	SkillsUSA Drafting C114	M1.4.1, 2.4.1, 4.4.2, 5.4.6 R4.4			All Aspects of Industry	Lab Demonstration
2. Understand environmental design factors effecting residential construction and planning.	SkillsUSA Drafting C114	R4.2 SF1-3			All Aspects of Industry	Assignment
3. Identify differing room design criteria and use this information to design a functional residential floor plan.	SkillsUSA Drafting C114	M1.4.1, 2.4.1, 2.4.4, 3.4.2, 4.4.2, 5.4.6, 7.4.1 R4.2, 4.4			Technical Production Skills	Demonstration

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
4. Utilize drafting industry standard practices and procedures in floor plan development.	UBC 97	M1.4.1, 1.4.3, 2.4.1, 2.4.3, 3.4.2, 4.4.2, 5.4.6, 7.4.1 R4.4		A2 D5	All Aspects of Industry	Demonstration
5. Develop pictorial, elevation, and floor plans that meet architectural graphic standards.	SkillsUSA Drafting C114	M1.4.1, 2.4.1, 2.4.3, 3.4.2, 4.4.2, 5.4.6, 7.4.1 R.4.4			All Aspects of Industry	Lab Assignment
6. Produce schedules and specifications that meet architectural industry standards.	SkillsUSA Drafting C114	M1.4.1, 7.4.1 R.4.4			All Aspects of Industry	Observation
7. Develop a working knowledge of Building Codes as they relate to residential construction.	UBC 97	R4.2	A 6		Planning Management Community Technical Skills Health/Safety	Lab
8. Estimate a residential floor plan utilizing both a square footage and actual cost method.	SkillsUSA Drafting C114	M1.4.1, 2.4.1, 5.4.6, 7.4.1			Business Planning, Finance	Pre and Post Test
9. Check residential plans utilizing architectural models, template checking, and architectural drawing checklists.	SkillsUSA Drafting C114	M1.4.1, 2.4.1, 7.4.1 R4.2			Principles of Technology, Business Planning	Lab

Instructional Resources

DISTRICT NAME: Kenai Peninsula School District

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

NCCER, 2009 Core Curriculum

SkillsUSA Technical Drafting 2011

Drafting Software: AutoCAD (from AutoDesk) Drafting Program 2010

Additional Drafting Software: Chief Architect 2010