

CTE Course Description and Standards Crosswalk

Course Information

Course Name	Wildland Firefighting Strategies, Tactics and Safety
Course Number	81130
Number of High School Credits	1
Sequence or CTEPS (You must first have the Sequence or CTEPS entered into the EED-CTE system.)	Wildland Firefighting
Date of district Course Revision	December 2015

Career & Technical Student Organization (CTSO)

CTSO embedded in this sequence	Skills USA, FFA
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Occupational Standards

Source of Occupational Standards	National Agriculture, Food and Natural Resources (AFNR) National FFA Foundation
Names/Numbers of Occupational Standards	Natural Resources (NRS)

Registration Information

Course Description (brief paragraph – as shown in your student handbook or course list)	This course prepares students to work with a wildland fire crew. They will learn the methods of operation for wildland fire chainsaws and pumps and how to work safely in a wildland fire environment.
Instructional Topic Headings (please separate each heading by a semi-colon)	Fundamentals of Wildland Fire, Wildland Fire Behavior, Wildland Fuels, Fire Weather, Principles of Fire Ecology, Relationships of Fire and Culture Related to Forest Management, Administration of Fire Regimes, Programs for Fire Administration, Fire Suppression, Prescribed Fires and Forest Health, Career Opportunities, Safety, CTSO Involvement, Employability

Summative Assessments and Standards

Technical Skills Assessment (TSA)	Yes
Course addresses:	First Aid/CPR, FEMA ICS100 (IS100.B); NWCG S-190, S-130, L-180
New Alaska ELA and Math Standards	Yes
Alaska Cultural Standards	Yes
All Aspects of Industry (AAI)	Yes
Core Technical Standards	Yes
Employability Standards	Yes

Employability Standards

Source of Employability Standards	State of Alaska
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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	Galen Sparks, Steve Krueger
Course adapted from	
Date of previous course revision	n/a
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	No

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
Understand the fundamentals of wildland fire	NRS.2, 4	AG-NR.1,2,4	RST.11-12.1 RST.11-12.3 L.11-12.6	MP1, MP5	B2	A2	Health/Safety, Technical Skills	NWCG S190 NWCG S130
Learn wildland fire behavior	NRS.2, 4	AG-NR.2	RST.11-12.1 L.11-12.6	MP1, MP2	B2	A2	Health/Safety, Technical Skills	NWCG S190 NWCG S130
Understand wildland fuels	NRS.2, 4	AG-NR.1,2,4	RST.11-12.1 L.11-12.6	MP1, MP2, MP3	B2	A2	Health/Safety, Technical Skills	NWCG S190 NWCG S130
Understand fire weather	NRS.2, 4	AG-NR.4	RST.11-12.1 L.11-12.6	MP1, MP2, MP5	B2	A2, A6	Health/Safety, Technical Skills	NWCG S190 NWCG S130
Learn the basic principles of fire ecology	NRS.2, 4	AG-NR.1,2,4	RST.11-12.2 L.11-12.6	MP2	B2	A2	Health/Safety, Technical	NWCG S190 NWCG S130

DISTRICT NAME: Matanuska Susitna Borough School District

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
							Skills	
Learn the relationships of fire and culture related to forest management	NRS.2, 4	AG-NR.2	RST.11-12.2 L.11-12.6	MP2	B2	A2	Community Technical Skills	NWCG S190 NWCG S130
Learn the administration of fire regimes	NRS.2, 4	AG-NR.1,3	RST.11-12.2 L.11-12.6	MP2, MP8	B2	A2	Planning, Technical Skills	NWCG L-180
Learn programs for fire administration	NRS.2, 4,5	AG-NR.4	RST.11-12.1 L.11-12.6	MP1, MP2	B2	A2	Planning, Technical Skills	NWCG L-180
Learn the basics of fire suppression	NRS.2, 4	AG-NR.1,2,4	RST.11-12.2 L.11-12.6	MP1, MP2	B2	A2, A6	Technology Technical Skills	NWCG S190 NWCG S130
Understand the prescribed fire and how it relates to forest health	NRS.1,2,3,4,5	AG-NR.1,2,4	RST.11-12.1 L.11-12.6	MP1, MP2, MP3	B2	A2	Planning, Technical Skills	NWCG L-180
Investigate Careers in wildland fire science, research job opportunities in Alaska.	NRS.1-5	AG 2,5	RST.11-12.4 L.11-12.6	MP1, MP2	B2	A2, A3	Work Habits, Technical Skills	NWCG L-180
Demonstrate safe use of tools and equipment in the workplace.	NRS.1-5	AG-NR.4	RST.11-12.2 L.11-12.6	MP6	B2, B4	A2, A6	Health/ Safety, Work Habits	NWCG S190 NWCG S130
Participate in CTSO (SkillsUSA, HOSA, BPA) practicing leadership skills.	NRS.1-5	AG-NR 1-4	RST.11-12.2 L.11-12.6	MP1, MP2, MP7	B2	A2	Technical Skills	First Aid/CPR
Learn, model and develop employability skills (punctuality, work ethic, integrity, honesty, etc).	NRS.1-5	AG-NR 1-4	RST.11-12.2 L.11-12.6	MP1, MP2, MP6, MP7	B2	A2, A6	Technical Skills	First Aid/CPR

Instructional Resources

DISTRICT NAME: Matanuska Susitna Borough School District

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

National Wildland Fire Training - <http://www.nationalfiretraining.net/>

Firefighter's Handbook on Wildland Firefighting –

Wildland Fire Science Occupational Endoresment UAF - http://uaf.edu/catalog/current/programs/wildland_fire_sci.html