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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	Introduction to Automotive
Course Number	II970
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS name put into the system.)	Power Mechanics I and Power Mechanics II
Occupational Standards	
Source of Occupational Standards	Occupational Standards: National Automotive Technician Education Foundation, http://www.natef.org Occupational Standards: National Institute for Automotive Service Excellence, http://www.ase.org All Aspects of the Industry: *Institute for Workforce Education,* University of Missouri-Columbia Safety, **www.SP2.org**
Names/Numbers of Occupational Standards	
Registration Information	
Course Description (brief paragraph – as shown in your student handbook or course list)	Introduction to Auto introduces the student to the responsibilities of automobile ownership and is an introduction to automotive repair technology. Maintenance, legal issues, and owner repairs are included in this course as well as introducing the automotive repair field to youth interested in pursuing a career as an automotive technician. Labs include all phases of preventive and scheduled maintenance for both industry and personal use.
Instructional Topic Headings (please separate each heading by	**Content Headings/Topics**

a semi-colon)	Personal Safety in The Auto Lab; Auto Chemical Safety; Hand Tool Identification and Safe Use ; Power Tool and Equipment Identification and Safe Use ; Basic Automotive Systems ; Driveway and Professional Repairs ; Emergency Repairs and Procedures ; Standard Repair Procedures; Estimating and Cost Analysis; Career Exploration ; Encourage Career and Technical Student Organization (CTSO) Involvement
Summative Assessments and Standards	
Technical Skills Assessment	Y
Course addresses Alaska GLEs	Y
Course addresses Employability Standards	Y
Course addresses Cultural Standards	Y
Course addresses All Aspects of Industry (AAI)	Y
Career & Technical Student Organization (CTSO)	
CTSO associated with this course	Skills USA
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	Ben Eveland
Course adapted from	Matanuska Susitna Borough School District, John Egan, Rob Wissler, Jack Simpson, Ed Clausen
Date of last course revision	April 13,, 2012
Course Delivery Model	
Is the course brokered through another institution or agency? (Y/N)	N

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Certificate, Credential, or License	
Industry-recognized skill certificate, credential, or state license that a student is eligible for upon successful completion of the course?	N
Issuing body/organization/agency	N/A

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
Demonstrate safe laboratory techniques and handling of hazardous materials.	V701 C5.12		A6	B1	Hlth/Safety	AK EED Safety Manual, SP2.org
Select and safely operate appropriate hand tool, power tools, and related equipment.	ONET .26		A6	B4	Tech/Prod	AK EED Safety Manual, SP2.org
Exhibit responsibilities of employment standards including exhibiting dependability and meeting organizationally defined expectations in shop operation.	EIA I.A.01 I.A.04		A1	B3	Wk Habits	SkillsUSA/ NATEF
Know the basic function and operation of the major automotive systems.	All	R-4			Tech/Prod Prin Tech	AYES/ NATEF
Estimate time and cost for a repair job.		MB-1 MD-1			Planning Finance	AYES/ NATEF
Follow EPA and OSHA regulations.			B-4		Hlth/Safety	AYES/ NATEF
Demonstrate skills required for scheduled and preventive maintenance.	All	MB-1 R-4			Tech/Prod Wk Habits	AYES/ NATEF

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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
Identify and Investigate career opportunities and duties of an automotive technician.	LS L-3	EB2, ME1	E.A-C A-1, B-2 EA HB1	B-C	All	AKCIS/ SkillsUSA

Instructional Resources

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

Recommended Text: Automotive Technology Curriculum Modules, Instructional Materials Laboratory, University of Missouri-Columbia

Resources:

AK EED Safety Manual: http://www.eed.state.ak.us/tls/CTE/docs/resources/safetymanual.pdf
SkillsUSA http://www.skillsusa.org/contests.html
AKCIS - Alaska Career Information System Information www.akcis.org
ASE - National Institute for Automotive Service Excellence: http://www.asecert.org