

## CTE Course Description and Standards Crosswalk

### Course Information

Course Name	Intro to Auto
Course Number	86500
Number of High School Credits	.5
Sequence or CTEPS (You must first have the Sequence or CTEPS entered into the EED-CTE system.)	Automotive
Date of district Course Revision	April 2013

### Career & Technical Student Organization (CTSO)

CTSO embedded in this sequence	SkillsUSA
--------------------------------	-----------

### Occupational Standards

Source of Occupational Standards	ASE/NATEF
Names/Numbers of Occupational Standards	Automobile/Light Truck Certification Tests (A series)

### 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 in the automotive industry. Labs include all phases of preventive and scheduled maintenance for both industry and personal use.
---	--

Instructional Topic Headings (please separate each heading by 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; Basic vehicle maintenance procedures; Emergency Repairs and Procedures; Estimating and Cost Analysis; Career Exploration; Encourage Career and Technical Student Organization (CTSO) Involvement
---	--

### Summative Assessments and Standards

Technical Skills Assessment (TSA)	Automobile/Light Truck Certification Tests (A series)
Course addresses:	
New Alaska ELA and Math Standards	Y
Alaska Cultural Standards	Y
All Aspects of Industry (AAI)	Y
Core Technical Standards	Y
Employability Standards	Y

### Employability Standards

Source of Employability Standards	Alaska Content and Performance Standards 4th Edition; Section 1: Employability Page 33
-----------------------------------	--

### Tech Prep

Current Tech Prep Articulation Agreement? (Y/N)	No – Not for Intro, other Auto Classes only
Date of Current Agreement	

**DISTRICT NAME: Mat Su Borough School District**

Postsecondary Institution Name	
Postsecondary Course Name	
Postsecondary Course Number	
# of Postsecondary Credits	

### Additional CTE Course Information

Author	
Course developed by	John Egan, Ed Clawson
Course adapted from	
Date of previous course revision	June 2007
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
Demonstrate safe laboratory techniques and handling of hazardous materials.	NATEF All Skills USA AST 4.1, 4.2, 4.3, 4.7	TD 5 TD HSE 1 &2	L.9-12.6	MP 1, 5	A1, A4, B1, B2, B4	A1, A2, A5, A6, A7	Health / Safety Technical Skills	AK EED Safety Manual Skills USA 4.0
Select and operate appropriate hand tools power tools, and related equipment.	NATEF Safety Skills USA AST 4.1, 4.2, 4.3, 4.7	TD 5 TD HSE 1 &2	L.9-12.6	MP 5	A6 B2, B4	A2, A6, A7, B4	Technical Skills	AK EED Safety Manual Skills USA 4.0
Exhibit responsibilities of employment standards including exhibiting dependability and meeting organizationally defined expectations.	Skills USA AST 5.0	TD 6 CRP 1, 4, 8, 9, 10, 12	L.9-12.6 SL.CC.9-12. A-D	MP 1, 3, 6	A1, B1, B2, B3 C2, C4, E4	A1, A2, A5	Labor Work Habits	SkillsUSA 5.0/NATEF
Know the basic function and operation of the major automotive systems.	NATEF All	TD-MTN 1	L.9-12.6	MP 1, 6, 7	A1, A4	A2, A5	Technical Skills Technology	AYES/ NATEF

**DISTRICT NAME: Mat Su 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
Estimate time and cost for a repair job.	NATEF I.A SkillsUSA AST 1.5, 2.5, 3.5, 5.2	TD 2, 3	W. PD. 9-10.4 W. PD. 11-12.4 RST. KI. 9-10.1 RST. KI.11-12.1 L.9-12.6	MP 1, 4, 5	A1, A7, B2, B4	A1, A2, A4, A5	Planning Finance	AYES/ NATEF
Follow EPA and OSHA regulations.	NATEF Safety SkillsUSA AST 4.1, 4.2, 4.3, 4.7	TD 2, 3	RL.CS.9-10.4 RL.CS.11-12.4 L.9-12.6	MP 1, 6	A1, A4, B2, B4	B-4 A-6 A-7	Health/Safety	AYES/NATEF Safety Skills USA AST 4.1, 4.2, 4.3, 4.7
Demonstrate skills required for scheduled and preventive maintenance.	NATEF I.A SkillsUSA AST 1.1, 2.1, 3.1, 8.5, 9.2, 10.5, 11.14	TD 2, 3	RST.IK.9-10.7 RST.IK.11-12.7 RST.CS.9-10.4 RST.CS.11-12.4 L.9-12.6	MP 1, 2, 5	A6, B2, B4	A1, A2, A5	Technical Skills Work Habits	AYES/ NATEF
Identify and Investigate career opportunities and duties of an automotive technician.	Skills USA AST 5.0	TD 6 CRP 10	W.RB.9-10.7 W.RB.11-12.7 L.9-12.6	MP 1, 5, 6	B2, B3, C4	A2, A3, A5, B2, B3, B4, B5	All	AKCIS/ Skills USA

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 Automotive Service Technology (AST):

<http://www.skillsusa.org/contests.html>

AKCIS - Alaska Career Information System Information: [www.akcis.org](http://www.akcis.org)

ASE - National Institute for Automotive Service Excellence: <http://www.asecert.org>

NATEF 2013 MAST