

**Idaho Tech Prep Program Proposal
And Articulation Agreement**

**Between Idaho State University and Blackfoot High School
Starting Date: October 2010**

**Tech Prep Program: Automotive Technology Anticipated Degree: AAS; ATC; TC
Secondary Program ID: 37062 Post-Secondary Program ID: _____**

ARTICULATED COURSES

List the secondary professional-technical Program of Study courses in this Tech Prep program and the college Program of Study courses they articulate to.

HS COURSE # (from Titles and Codes)	HS COURSE TITLE	COURSE LENGTH	COLLEGE COURSE #	COLLEGE COURSE TITLE	CREDITS
TI0201	Auto I	Tri	AUTM 100	Intro to Auto Tech	1
TI0202	Auto II	Year	AUTM 101 AUTM 102 AUTM 103	See Below for Course Breakdown	3-24*
TI0203	Auto III	Year			
TI0203	Auto IV	Year			

***Students must pass a proficiency exam in each area with a minimum score of 74% to receive credit. Students may test in each area and can earn up to 24 credits.**

AUTM 101 VEHICLE CONTROLS (8 credits) (two separate courses)

AUTM 110 Vehicle Controls I (4 credits)

(Theory and Laboratory) Introduction to Automotive Technology to include front and rear suspension systems, steering systems (power and manual), alignment, balancing of wheels, and steering systems on foreign and domestic vehicles in accordance with Automotive Service Excellence (ASE) Standards.

AUTM 111 Vehicle Controls II (4 Credits)

(Theory and Laboratory) Brakes (drum and disk, power and manual), rear differentials, rear axles, universal joints, drivelines, and front-wheel drive shafts will be covered on foreign and domestic vehicles in accordance with Automotive Service Excellence (ASE) standards.

AUTM 102 POWER TRAINS (8 credits) (two separate courses)

AUTM 112 Power Trains I (3 credits)

(Theory and Laboratory) Car and pickup truck clutches, manual transmissions (4 through 6 speed) manual transaxles (4 through 6 speed), transfer cases, and manual transmissions with overdrives on foreign and domestic vehicles in accordance with Automotive Service Excellence (ASE) standards.

AUTM 113 Power Trains II (5 credits)

(Theory and Laboratory) Automatic transmissions (4 through 6 speed), torque converters, automatic overdrives, transaxles, and final drives on foreign and domestic vehicles in accordance with Automotive Service Excellence (ASE) standards.

AUTM 103 AUTOMOTIVE ENGINES (8 credits) (two separate courses)

AUTM 114 Automotive Engines I (3 credits)

(Theory and Laboratory) Ignition systems, electrical theory, cylinder heads, valve trains, refinishing, and air conditioning are taught for foreign and domestic vehicles in accordance with Automotive Service Excellence (ASE) standards.

AUTM 115 Automotive Engines II (5 credits)

(Theory and Laboratory) Engine troubleshooting and diagnosis, engine tune-up procedures, engine overhaul procedures and process, reassembly, engine testing procedures, and familiarization to electrical theory and testing for foreign and domestic vehicles in accordance with Automotive service Excellence (ASE) standards.

Uniform Articulation of College Credit

1. Awarding Tech Prep credit is a function of the postsecondary institution(s). Articulated Tech Prep courses must meet college course standards. Students may be required to complete a competency assessment.
2. Secondary Tech Prep students who desire to articulate credits to the postsecondary program must: