



## ARTICULATION AGREEMENT

Offered collaboratively by

**MONTANA STATE UNIVERSITY-NORTHERN**

and

**SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY  
(2-year Diploma – Automotive Service Technology)**

For

**BACHELOR OF SCIENCE DEGREE  
IN AUTOMOTIVE TECHNOLOGY**

### **I. SCOPE OF THE PROGRAM**

Montana State University - Northern (MSUN) and Southern Alberta Institute of Technology (SAIT) hereby establish an articulation agreement leading to a Bachelor of Science Degree in Automotive Technology. The degree will be conferred by MSUN.

### **II. LENGTH OF AGREEMENT**

This agreement will begin fall semester 2011. The parties commit to a review every other year. The next review will be fall semester 2013.

### **III. COURSE ARTICULATION**

Students completing the **2-year Diploma in Automotive Service Technology** at SAIT will be granted 61.5 semester credits toward a Bachelor of Science degree in Automotive Technology at MSUN. Students must have 39 credits at the upper division (300/400) level to complete the degree program. Upon completion of the following technical courses as shown in **Exhibit A** and the meeting of all graduation requirements including the general education requirements as shown in **Exhibit B**, a Bachelor of Science degree in Automotive Technology will be awarded. 120 semester credits are required. **Exhibit C** provides an overview of degree requirements.

General education courses listed on the MSUN transfer equivalency guide will be accepted to meet part of the 33 credit general education core.

**EXHIBIT A: Required technical courses**

<b>Technical Courses to be completed at Northern</b>		<b>Credits</b>
ATDI 383	Alternative Automotive Power Systems	4
ATDI 384	Auto/Diesel Electrical/Electronic Systems III	4
ATDI 400	Shop Procedures	3
AUTO 408	Current Trends in Mobility Technology	2
AUTO 450	Dynamometer Testing/Computer System Data Analysis	3
AUTO 457	Advanced Power Trains	4
AUTO 498	Cooperative Education	3
AUTO 488	Automotive Practicum	3
	Total technical requirements	26
	General Education	27
	Transferred technical requirements	61.5
	Transferred general education	6
	Total for degree completion	121.5



**EXHIBIT B (\*Gen. Ed. Requirements)**

<b>Category I</b>	<i>Communication:</i> WRIT 101 or WRIT 350 SPCH 141 or SPCH 142 <b>(6 credits)</b>
<b>Category II</b>	<i>Mathematics:</i> M 121 or higher <b>(3 credits)</b>
<b>Category III</b>	<i>Natural Sciences w/ lab:</i> AG 204, BIOL, CHMY, GEO, GPHY 111, GSCI, NSCI, PHYS, TSCI 110, TSCI 230, TSCI 304, TSCI 320 <b>(6 credits)</b>
<b>Category IV</b>	<i>Social Sciences / History:</i> CMSV 101, ECNS 201, 202, 372, HSTA101,102,255, PSYX 100, 230, PSCI 201,250,471, SOCI 101, 241, SOSC 201 <b>(6 credits)</b>
<b>Category V</b>	<i>Cultural Diversity:</i> NASL 120,121,331 NAS 220,310,330,350,364, NURS 331, SOCI 315, SPNS 101,102,BUS 410 <b>(3 credits)</b>
<b>Category VI</b>	<i>Fine Arts /Humanities</i> ART 100, 120, 150, 151, 204, 353, 361, 362, DRMA 109, ENGL 330,310,311, GDSN 270, LIT 110,210,211,223,224,230,309,327,363, MUS 101,110,PHIL 200,210 <b>(3 credits)</b>
<b>Category VII</b>	<i>Technology:</i> AOT 301, CAPP 120, CIS 320, IT 100 <b>(3 credits)</b>
<b>Total General Education Credits 33 credits</b> (In order to effectively meet the 39 credit upper division requirement, it is recommended 6 of the general education credits be at the 300+ level)	

- Refer to the current MSU-N transfer equivalency guide, or contact the MSU-N registrar's office for general education equivalencies.
- [https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p\\_selstate](https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p_selstate)



**EXHIBIT C (Overview of Equivalencies)**

<b>Program Tech Requirements</b>		<b>SAIT Equivalencies</b>	
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	4	ELTR 303 Electronics	3
ATDI 220 Automotive Diesel & Hybrid Vehicles	3	MOTR 354 Alternate Fuels	2
ATDI 257 Automatics	4	MOTR 250 Automotive Shop	6
ATDI 264 Auto/Diesel Electrical/Electronic Systems II	4	MOTR 250 Automotive Shop	3
ATDI 265 Heating and Air Conditioning	4	MOTR 353 Automotive Air-Conditioning	3
ATDI 383 Alternative Automotive Power Systems	4	TO BE TAKEN AT MSU-N	
ATDI 384 Auto/Diesel Electrical/Electronic Systems III	4	TO BE TAKEN AT MSU-N	
ATDI 400 Shop Procedures	3	TO BE TAKEN AT MSU-N	
AUTO 115 Introduction to Automotive Service	1	MOTR 200 Automotive Shop	1
AUTO 117 Automotive Manual Power Trains	4	MOTR 200 Automotive Shop	5
AUTO 119 Automotive Braking Systems	4	MOTR 250 Automotive Shop	6
AUTO 120 Automotive Steering and Suspension	4	MOTR 201 Automotive Theory	3
AUTO 128 Engines	5	MOTR 300 Automotive Shop	6
AUTO 151 Diagnosis and Tune Up	4	MOTR 301 Automotive Theory	3
AUTO 210 ASE Certification I	1	MOTR 351 Automotive Theory	3
AUTO 211 ASE Certification II	1	MOTR 351 Automotive Theory	3
AUTO 251 Computerized Engine Control Systems	4	MOTR 350 Automotive Shop	6
AUTO 408 Current Trends in Mobility Technology	2	TO BE TAKEN AT MSU-N	
AUTO 450 Dynamometer Testing/Computer System Data Analysis	3	TO BE TAKEN AT MSU-N	
AUTO 457 Advanced Power Trains	4	TO BE TAKEN AT MSU-N	
AUTO 498 Cooperative Education	3	TO BE TAKEN AT MSU-N	
AUTO 488 Automotive Practicum	3	TO BE TAKEN AT MSU-N	
Electives (if no minor) or Minor (attach minor sheet)	12	ADMN 201 Business Fundamentals	3
		EMTL 202 Metallurgy	2
		WEPR 201 Welding	1.5
		BLPR 200 Sketching & Blueprint Reading	1.5
<b>Program Gen. Ed. Requirements See Exhibit B for eligible courses</b>		<b>SAIT Equivalencies</b>	
<i>Cat I – Communications (6 credits)</i>		COMM 202, COMM 230	3
		COMM 330	1.5
<i>Cat II – Mathematics (3 credits)</i>		MATH 202	1.5
<i>Cat III – Natural Sciences (6 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	
<i>Cat IV – Social Sciences/ History (6 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	
<i>Cat V – Cultural Diversity (3 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	
<i>Cat V-I Fine Arts/ Humanities (6 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	
<i>Cat VII – Technology (3 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	



Tuition will be billed to each student at MSUN's prevailing cost-per-credit rate for all courses.

#### V. ADMISSIONS POLICY AND REQUIREMENTS

Admission requirements for MSUN are as follows:

- 1) Completed MSUN Application for Admission
- 2) \$30 non-refundable "one-time" application fee
- 3) In order to be in compliance with Montana state law, all degree seeking students or students carrying more than seven (7) credits, who are born on or after January 1, 1957 must show proof of two vaccinations against measles and one against rubella; "or" show documentation from a physician with dates of illness of having contracted measles and rubella; "or" file a notarized medical or religious exemption.
- 4) An official academic transcript from **all** accredited universities, colleges, and vocational technical centers attended. (Official college transcripts must be sent to the Admissions Office in a sealed envelope directly from the institution.)
- 5) Students transferring to MSU-N must have a minimum cumulative transferable grade point average of 2.0 from all colleges or universities previously attended.

#### VI. CONTACT INFORMATION

##### MSUN

Admissions: 1-800-662-6132 ext. 3704  
Registrar: 1-800-662-6132 ext. 3703  
Financial Aid: 1-800-662-6132 ext. 3787

College of Technical Sciences: 1-800-662-6132 ext. 3740

Kevin Johnson ~ program instructor 1-800-662-6132 ext. 4151, [johnsonk@msun.edu](mailto:johnsonk@msun.edu)  
Larry Strizich ~ Chair, COTS 1-800-662-6132 ext. 3724, [strizich@msun.edu](mailto:strizich@msun.edu)  
Greg Kegel ~ Dean, COTS 1-800-662-6132 ext. 4157, [kegel@msun.edu](mailto:kegel@msun.edu)

##### SAIT

Karen Mc Daniel 403-210-4238 Articulation Agreements Coordinator.

[karen.mcdaniel@sait.ca](mailto:karen.mcdaniel@sait.ca)





ARTICULATION AGREEMENT APPROVAL COVER SHEET

Participating institution(s) SOUTHERN ALBERTA INSTITUTE OF TECHNOLOGY (2-year Diploma in Automotive Service Technology)
Articulated Program AUTOMOTIVE TECHNOLOGY
Degree/Credential BACHELOR OF SCIENCE
Effective Date Fall Semester 2011

The undersigned have read and concur with the applicable policies and procedures for the attached articulation agreement.

MSU - Northern

Southern Alberta Institute of Technology

Kevin Johnson
Kevin Johnson - Program Instructor

Brian Moukperian
Brian Moukperian - Dean

Larry Strizich - Chair, COTS

Gordon Nixon - Vice-president Academic

Gregory Kegel - Dean, COTS

A. Lee Haldeman
Associate Vice President Academic Development
Acting Vice President Academic

Lindsey Brown - Registrar

Dr. Rosalyn Anstine Templeton - Provost

Dr Joseph P. Callahan - Chancellor