



## ARTICULATION AGREEMENT

Offered collaboratively by  
MONTANA STATE UNIVERSITY – NORTHERN

and  
LOWER COLUMBIA COLLEGE  
(Associate in Applied Science Automotive Technology)

for

**BACHELOR OF SCIENCE DEGREE  
In AUTOMOTIVE TECHNOLOGY**

### I. SCOPE OF THE PROGRAM

Montana State University – Northern (MSUN) and Lower Columbia College 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 renewed agreement will begin Fall Semester 2015, to continue for a minimum of four (4) years. The parties to this agreement commit to offering this program until it is dissolved by mutual agreement. The parties commit to a review every other year. The next review will be Fall semester 2017.

### III. COURSE ARTICULATION

Students completing the **Associate in Applied Science Automotive Technology** at Lower Columbia College will be granted 57 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 and 120 semester credits are required 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 **Exhibit C** provides an overview of degree requirements.



#### IV. TUITION AND FEES

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

Application and admission information:

Montana State University – Northern  
Admissions Office  
P. O. Box 7751  
Havre, MT 59501  
(800) 662-6132 ext. 3704

#### 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 (2) vaccinations against measles and one (1) 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.); and
- 5) Students transferring to MSUN must have a minimum cumulative transferable grade point average of 2.0 from all colleges or universities previously attended.

#### VI. FINANCIAL AID

All enrolled students are eligible to apply for financial aid at MSUN. Each student's situation will be evaluated on an individual basis. Students must apply for financial assistance through MSUN's Financial Aid Office.



## VII. CONTACT INFORMATION

### 1) Montana State University – Northern:

Advising Center: 1-800-662-6132 ext. 3760  
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 Science: 1-800-662-6132 ext. 3740**

Kevin Ruby ~ ATDI instructor: 1-800-662-6132 ext. 4179, [kevin.ruby@msun.edu](mailto:kevin.ruby@msun.edu)

Joshua Meyer ~ ATDI Instructor: 1-800-662-6132 ext. 4162,

[joshua.meyer3@msun.edu](mailto:joshua.meyer3@msun.edu)

Steven Don ~ Chair, COTS: 1-800-662-6132 ext. 4185, [sdon@msun.edu](mailto:sdon@msun.edu)

Dr. Larry Strivich ~ Dean, COTS: 1-800-662-6132 ext. 4157, [strizich@msun.edu](mailto:strizich@msun.edu)

### 2) Lower Columbia College:

1600 Maple Street  
Longview, WA 98632  
360-442-2311

Steven Byman ~ Program Instructor: 360-442-2725, [sbyman@lowercolumbia.edu](mailto:sbyman@lowercolumbia.edu)

Brendon Glaser ~ Dean Workforce & Continuing Education: 360-442-2651,

[bglaser@lowercolumbia.edu](mailto:bglaser@lowercolumbia.edu)



**Exhibit A: MSUN ATDI Program required Courses for Automotive  
Technology Bachelor Degree**

Program Courses to be completed at Northern		Credits
ATDI 384	Auto/Diesel Electronic Apps	4
ATDI 400	Shop Procedures	3
ATDI 383	Alternative Auto Power Systems	4
AST 495	Automotive Practicum	3
AST 489	Cooperative Education	2
AST 408	Current Trends Mobility Tech	2
AST 457	Advanced Power Trains	4
AST 450	Dyno Test/Comp Sys Analysis	4
	Electives to be completed at MSUN	3
	Technical requirements to be taken at MSUN	30
	General Education to be taken at MSUN	33
	Transferred Technical Courses	57
	Transferred General Education	0



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

All students seeking an associate of arts, associate of science, or bachelor's degree at Montana State University-Northern are required to fulfill course work within each of the seven General Education categories as listed below:

<b>Category I</b>	Communication (6 credits) General Education Code: C1	<a href="#">WRIT 101</a> AND <a href="#">COMX 111</a> OR <a href="#">COMX 115</a> OR <a href="#">WRIT 350</a>
<b>Category II</b>	Mathematics (3 credits) General Education Code: C2	<a href="#">M 121</a> , <a href="#">M 145</a> , <a href="#">M 162</a> , <a href="#">M 171</a> , <a href="#">STAT 216</a> , <a href="#">STAT 217</a>
<b>Category III</b>	Natural Sciences (6 credits) General Education Code: C3 and C3L	<a href="#">BIOB 101</a> , <a href="#">BIOB 160</a> , <a href="#">BIOE 110</a> , <a href="#">BIOH 104</a> , <a href="#">BIOH 201</a> , <a href="#">BIOM 250</a> , <a href="#">BIOO 220</a> , <a href="#">CHMY 121</a> , <a href="#">CHMY 141</a> , <a href="#">ENSC 245</a> , <a href="#">GEO 101</a> , <a href="#">GEO 314</a> , <a href="#">GPHY 111</a> , <a href="#">PHSX 105</a> , <a href="#">PHSX 205</a> , TSCI 304
<b>Category IV</b>	Social Sciences/History (6 credits) General Education Code: C4 and C5	<a href="#">CMSV 101</a> , <a href="#">ECNS 201</a> , <a href="#">ECNS 202</a> , <a href="#">HSTA 101</a> , <a href="#">HSTA 102</a> , <a href="#">HSTR 101</a> , <a href="#">HSTR 102</a> , <a href="#">HSTA 255</a> , <a href="#">PSCI 210</a> , <a href="#">PSYX 100</a> , <a href="#">SOCI 101</a> , <a href="#">SOSC 201</a>
<b>Category V</b>	Cultural Diversity (3 credits) General Education Code: C6	<a href="#">BGEN 360</a> , <a href="#">NASL 120</a> , <a href="#">NASX 105</a> , <a href="#">NASX 304</a> , <a href="#">NASX 232</a> , <a href="#">NASX 310</a> , <a href="#">NASX 235</a> , <a href="#">NASX 340</a> , <a href="#">NASL 331</a> , <a href="#">NASX 450</a> , <a href="#">NRSRG 331</a> , <a href="#">SPCH 245</a> , <a href="#">SPNS 101</a>
<b>Category VI</b>	Humanities Appreciation/Creative Arts (6 credits) General Education Code: C7 and C8	<a href="#">ARTH 160</a> , <a href="#">ARTH 330</a> , <a href="#">ARTH 340</a> <a href="#">LSH 201</a> , <a href="#">LIT 110</a> , <a href="#">LIT 210</a> , <a href="#">LIT 211</a> , <a href="#">LIT 223</a> , <a href="#">LIT 224</a> , <a href="#">LIT 230</a> , <a href="#">LIT 309</a> , <a href="#">LIT 327</a> , <a href="#">LIT 363</a> , <a href="#">LIT 382</a> , <a href="#">MUSI 201</a> , <a href="#">PHIL 200</a> , <a href="#">PHIL 210</a> , <a href="#">ARTZ 105</a> , <a href="#">ARTZ 106</a> , <a href="#">ARTZ 231</a> , <a href="#">ARTZ 284</a> , <a href="#">ARTZ 363</a> , <a href="#">CRWR 340</a> , <a href="#">MUSI 103</a> , <a href="#">THTR 105</a>
<b>Category VII</b>	Technology (3 credits) General Education Code: C9	<a href="#">AOT 301</a> , <a href="#">CAPP 120</a> , <a href="#">CAPP 151</a> , <a href="#">EDU 370</a> , <a href="#">IT 100</a>
<b>Total General Education Credits - 33</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 MSUN transfer equivalency guide:
  - [https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p\\_selstate](https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p_selstate).
- Or contact the MSUN Advising Center for general education equivalencies.



## EXHIBIT C: Equivalence of Transfer Credits

Program Requirements	LCC Equivalencies	Credits
AST 106 Auto Manual Drive Train/Axles	AMTC 217 Powertrains	4
AST 160 Automotive Engine Repair	AMTC 121 Gas Engines I	3
	AMTC 122 Gas Engines II	3
AST 164 Auto Diagnosis Tune Up	AMTC 122 Gas Engines II	3
	AMTC 201 Fuels & Emissions	3
AST 114 Automotive Brakes	AMTC 111 Hydraulic Brakes	3
	AMTC 112 Antilock Brakes/Traction Control	2
ATDI 134 Electrical/Electronic Systems 1	AMTC101 Electrical Systems	3
	AMTC 102 Electrical Systems II	3
AST 220 Auto Steering & Suspension	AMTC 215 Suspension & Alignments	4
ATDI 257 Automatics	AMTC 215 Suspension & Alignments	5
ATDI 262 Automatics R&R	AMTC 216 Automatic Transmissions	1
ATDI 265 Heating & Air Conditioning	AMTC 104 Vehicle Climate Controls	4
AST 266 Computerized Engine Controls	AMTC 201 Fuels & Emissions	3
	AMTC 202 Automotive Computer Systems	3
AST 264 Electrical/Electronic Systems 2	AMTC 102 Electrical Systems II	3
	AMTC 202 Automotive Computer Systems	3
ATDI 384 Auto/Diesel Electrical Apps		
ATDI 400 Shop Procedures		
ATDI 383 Alternative Power Systems		
AST 495 Automotive Practicum		
AST 489 Cooperative Education		
AST 408 Current Trends Mobility Tech		
AST 457 Advanced Power Trains		
AST 450 Dyno Test/Comp Sys Analysis		
Electives	AMTC 100 Essentials of Mechanics	4
<b>Program General Education Requirements</b>		
See Exhibit B for Eligible Courses		
Cat I – Communication (6 credits)		
Cat II – Mathematics (3 credits)		
Cat III – Natural Sciences (6 credits)		
Cat IV – Social Sciences/History (6 credits)		
Cat V – Cultural Diversity (3 credits)		
Cat VI Fine Arts/Humanities (6 credits)		
Cat VII – Technology (3 credits)		



Articulation Agreement Approval Cover Sheet

Participating Institution(s) Lower Columbia College (Associate in Applied Science Automotive Technology)
Articulation Program Automotive Technology
Degree/Credential Bachelor of Science
Effective Dates Start: Fall Semester 2015 Revised Fall Semester 2017
X New Agreement Revised

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

MSUN

[Handwritten signature of Kevin Ruby]

Kevin Ruby, Program Instructor

[Handwritten signature of Dr. Larry Strizich]

Dr. Larry Strizich, Dean COTS

[Handwritten signature of Steven Don]

Steven Don, Chair COTS

[Handwritten signature of Alisha Schroeder]

Alisha Schroeder, Registrar

[Handwritten signature of William J. Rugg]
Provost

LCC

[Handwritten signature of Corry Kile]

Corry Kile, Program Instructor

[Handwritten signature of Brendan Glaser]

Brendan Glaser, VP of Instruction

[Handwritten signature of Darlene deVida]

Darlene deVida, Dean of Instruction