



## ARTICULATION AGREEMENT

Offered collaboratively by

**MONTANA STATE UNIVERSITY-NORTHERN**

and

**MILES COMMUNITY COLLEGE**

**(Associate of Applied Science – Automotive Technology)**

For

**BACHELOR'S SCIENCE DEGREE**

**IN AUTOMOTIVE TECHNOLOGY**



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

Montana State University-Northern and Miles Community College, Miles City, MT, hereby establish an articulation agreement leading to a Bachelor of Science Degree in Automotive Technology. The degree will be conferred by MSU-Northern.

## **II. LENGTH OF AGREEMENT**

This agreement will begin fall semester 2019, the next review will be fall semester 2021. The parties commit to a review every other year after the 2021 review.

## **III. COURSE ARTICULATION**

Students completing the **Associate of Applied Science – Automotive Technology** will be granted 43 semester technical credits and 9 semester General Education credits toward a Bachelor of Science degree in Automotive Technology at MSU-Northern. Students must have 120 credits 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 Science degree in Automotive Technology will be awarded. **Exhibit C** provides an overview of degree requirements.

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

## **IV. TUITION AND FEES**

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

Western Undergraduate Exchange:

The Western Undergraduate Exchange (WUE) is a program of the Western Interstate Commission for Higher Education (WICHE). Through WUE, students in qualifying states may enroll in many 2-year and 4-year college programs at a reduced tuition level: approximately 150 percent of the institution's regular resident tuition. All degree programs at MSU-Northern are open to WUE students.

Application and admission information: Admissions Office 1-800.622.6132 X3704 or email [admissions@msun.edu](mailto:admissions@msun.edu).

## **V. ADMISSIONS POLICY AND REQUIREMENTS**

Admission requirements for MSU-Northern are as follows:

1. Completed MSU-Northern 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-Northern 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 MSU-Northern. Each student's situation will be evaluated on an individual basis. Students must apply for financial assistance through MSU-Northern's Financial Aid Office.

**EXHIBIT A  
Required technical courses**

<b>Technical Courses to be completed at MSU-Northern</b>		<b>Credits</b>
ATDI 257	Automatics	4
ATDI 262	Automatics R & R	1
ATDI 264	Auto/Diesel Electrical/Electronic Systems II	6
ATDI 383	Alternative Automotive Power Systems	4
ATDI 384	Auto/Diesel Electrical/Electronic Systems III	4
ATDI 400	Shop Procedures	3
AST 266	Computerized Engine Controls	6
AST 408	Current Trends Mobility Tech	2
AST 450	Dynamometer Testing/Computer System Analysis	4
AST 457	Advanced Power Trains	4
AST 498	Cooperative Education	3
AST 495	Automotive Practicum	3
	Total technical requirements to be completed at MSU-Northern	44
	General Education (9 credits possibly transferred from Miles Community College)	33 (minimum)
	Transferred Block (Technical courses)	43 (Exhibit C)
	Total for degree completion	120

**EXHIBIT B  
General Education Requirements – MSU-Northern**

<b>Category I</b>	<b>Communication (6 credits)</b> WRIT 101 <b>AND</b> COMX 111 <b>OR</b> COMX 115 <b>OR</b> WRIT 350
<b>Category II</b>	<b>Mathematics (3 credits)</b> M 105, M112, M145, M121, M130, M131, M151, M162, M171, M172, STAT 216, STAT 217
<b>Category III</b>	<b>Natural Science with 1 lab course (6 credits)</b> BIOB 101/102, BIOB 160/161, BIOH 104, BIOH 201/202, BIOH 211/212, BIOM 250/251, BIOC 220/221, CHMY 121/122, CHMY 123/124, CHMY 141/142, CHMY 143/144, ENSC 245, GEO 101/102, GEO 314, GPHY 111, PHSX 105/106, PHSX 205/206, TSCI 304
<b>Category IV</b>	<b>Social Science/History (6 credits)</b> CMLD 101, ECNS 201, ECNS 202, HSTA 101, HSTA 102, HSTA 255, HSTR 101, HSTR 102, PSCI 210, PSYX 100, PSYX 150, SOCI 101, SOSC 201
<b>Category V</b>	<b>Cultural Diversity (3 credits)</b> BGEN 360, NASX 105, NASX 120, NASX 235, NASX 304, NASX 310, NASX 340, NRSX 361, SPNS 101, COMX 212
<b>Category VI</b>	<b>Humanities Fine Arts (6 credits)</b> ARTZ 105, ARTZ 106, ARTZ 231, ARTZ 284, ARTH 160, ARTH 330, LIT 110, LIT 210, LIT 211, LIT 223, LIT 224, LIT 230, LIT 309, LIT 382, LSH 201, MUSI 201, PHIL 200, THTR 101, THTR 105
<b>Category VII</b>	<b>Technology (3 credits)</b> AOT 301, CAPP 120, CAPP 151, EDU 370, IT 100, NRSX 320
<b>Total General Education Credits - 33 credits if taken at MSU-Northern.</b>	

- 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>MSU-Northern Program Technical Requirements and Credits</b>		<b>From Miles Community College Transferred Courses &amp; Semester Credits</b>	
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	6	AST 130, OR AST 136/137	
ATDI 257 Automatics	4		
ATDI 262 Automatics R & R	1		
ATDI 264 Auto/Diesel Electrical/Electronic Systems II	6		
ATDI 265 Heating and Air Conditioning	4	AST 172 Automotive Heating and Air Conditioning - if changed to 4 credits	
ATDI 383 Alternative Automotive Power Systems	4		
ATDI 384 Auto/Diesel Electrical/Electronic Systems III	4		
ATDI 400 Shop Procedures	3		
AST 106 Automotive Manual Drive Train/Axles	5	AST 106/107 Auto Manual Drive Train and Axles and Lab - if changed to 5 credits	
AST 114 Automotive Brakes	5	AST 114/115 Automotive Brakes and lab - if changed to 5 credits	
AST 220 Auto Steering and Suspension	5	AST 220/221 Auto Steering and Suspension and lab - if changed to 5 credits	
AST 160 Automotive Engine Repair	5	AST 160/161	
AST 164 Auto Diagnostics and Tune Up	6	AST 164/165 Automotive Diagnostics and Tune Up and Lab - if changed to 6 credits	
AST 266 Computerized Engine Controls	6		
AST 408 Current Trends Mobility Tech	2		
AST 450 Dynamometer Testing/Computer System Analysis	4		
AST 457 Advanced Power Trains	4		
AST 498 Cooperative Education	3		
AST 495 Automotive Practicum	3		
Electives (if no minor) or Minor (attach minor sheet)	7	WLDG 235 & WLDG 240 plus 4 more credits	
<b>Total Technical Core Credits</b>	<b>87</b>		

## VII. CONTACT INFORMATION

### Montana State University-Northern:

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  
Dr. David Krueger  
Dean, College of Technical Sciences 1.800.662.6132 ext. 3724  
[David.Krueger@msun.edu](mailto:David.Krueger@msun.edu)

Steven Don  
Chair, College of Technical Sciences 1.800.662.6132 ext. 4185  
Associate Professor, Diesel Technology  
[sdon@msun.edu](mailto:sdon@msun.edu)

### Miles Community College

Miles Community College:  
2715 Dickinson St  
Miles City, Montana 59301  
Toll Free: 1.800.541.9281

Stacy Klippenstein  
President

406-874-6158  
[President@milescc.edu](mailto:President@milescc.edu)

Rita Kratky  
Vice President of Academic Affairs

406-874-6199  
[KratkyR@milescc.edu](mailto:KratkyR@milescc.edu)

David McIntyre  
Automotive Technology

406-874-6233  
[McIntyreD@milescc.edu](mailto:McIntyreD@milescc.edu)

ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET

Participating institution: **Miles Community College**

Articulated Program: **Associate of Applied Science – Automotive Technology**

Degree/Credential: **Bachelor of Science – Automotive Technology**

Effective Dates: Start: Fall Semester 2019      Review: Fall Semester 2021

New Agreement       Review

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

**MSU–Northern**

**Miles Community College**

\_\_\_\_\_  
– Professor,  
Automotive Technology

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David McIntyre – Faculty  
Automotive Technology

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Steven Don – Chair,  
College of Technical Sciences  
Associate Professor,  
Diesel Technology

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Rita Kratky  
Vice President of Academic Affairs

\_\_\_\_\_  
Dr. David Krueger – Dean,  
College of Technical Sciences

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Lisa Blunt  
Registrar

\_\_\_\_\_  
Alisha Schroeder  
Registrar





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**MSU-Northern**

\_\_\_\_\_  
Wane Boysun – Professor,  
Automotive Technology

 7/25/2019.

Steven Don – Chair,  
College of Technical Sciences  
Associate Professor,  
Diesel Technology





Dr. David Krueger – Dean,  
College of Technical Sciences

\_\_\_\_\_  
Alisha Schroeder  
Registrar

**Miles Community College**

  
\_\_\_\_\_  
David McIntyre – Faculty  
Automotive Technology

  
\_\_\_\_\_  
Dr. Rita Kratky  
Vice President of Academic Affairs

  
\_\_\_\_\_  
Dr. Stacy Klippenstein  
President